



Supervisory Appointments

ELWIN SCHAEFER to supervisor of Building and Facilities Design Division I 3641, effective Dec. 16. Elwin came to the Labs in February 1953 and has worked the entire time with the building and facilities design group in plant engineering. For the past five years he has been project leader for inspection of construction contracts.

During WW II, Elwin was in the Navy; he was recalled for two years during the Korean conflict. Before coming to Sandia he worked for the Bureau of Reclamation in Casper, Wyo. Elwin earned a BS in EE from UNM and is a member of IEEE. Off-the-job, he enjoys skiing and swimming. Elwin and his wife Elise have three children and live in the SE heights.

FRED MARTINEZ to supervisor of Administrative Policies and Procedures Division 3212, effective Dec. 16. Since coming to Sandia in May 1952 as an accountant, Fred has worked in cost accounting and in the budget department. He worked at SLL during 1966-67 and, for the past three years, has worked with the policies and procedures group.

Fred received his BA degree from the University of Denver. He is treasurer of his church and enjoys most outdoor activities, especially fishing. Fred was born in Questa, N.M. He and his wife Vangie have seven children — three are still at home — and they live in Glenwood Hills.

JOHN HALL to supervisor of Building and Facilities Design Division IV 3644, effective Dec. 16. John has worked with the design group in plant engineering since joining the Labs in 1962. He has been project leader on several new and rehabilitation construction jobs. He has also directed inspection and drafting projects, was project leader for the sludge facility and, most recently, was electrical consultant for the new E-beam fusion facility.

John has a BS in EE from Texas Tech. He's a member of the Reserve Officers Association, the American Institute of Plant Engineers and the Army of the U.S. Association. As a colonel in the Army Reserve Corps of Engineers, he is currently assigned to the staff of the Chief of Engineers in



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ELWIN SCHAEFER (3641), JOHN HALL (3644), BOB BLEWER (400), and FRED MARTINEZ (3212).

Washington, D.C. John enjoys reading, tennis and swimming. He and his wife Jacklyn have two children and live in the NE heights.

BOB BLEWER to Management Staff 400 (division level), effective Dec. 16. Bob joined Sandia in March 1969 as a physicist. His work in the Applied Physics Division 2353 has been with metal hydride research and with techniques for non-destructive materials analysis involving gases in metals. He recently returned from a one-year assignment at the Max Planck Institute for Plasma Physics in Munich, Germany.

During the first half of his two-year assignment with the Management Staff, Bob will be editor of the Labs' weapons and energy publications. In the second year, he will participate in the management support work of the directorate.

Bob earned BS, MS and PhD degrees from Louisiana State University in low temperature and solid state physics. He is a member of the American Physical Society, American Vacuum Society, American Nuclear Society and IEEE. Bob, his wife Martha and their two daughters enjoy skiing and camping. Bob is also interested in the study of antique maps and furniture. The Blewers live in the NE heights.

RAY BLAND to supervisor of Physical Electronics Section 1472-4, effective Dec. 1. Ray came to the Labs in March 1960 after earning an associate of engineering degree from the University of Dayton Technical Institute. He worked on thin film research and development with the materials and processes group until 1973 when he transferred to the scientific glass lab as a process engineer. Under Sandia's EAP, Ray earned his BS in physics from the University of Albuquerque in 1972. His responsibilities in the physical electronics lab include development work on ceramic-to-metal sealing and on physical vapor deposition.

Ray is a member of the American Vacuum Society. He and his family are active



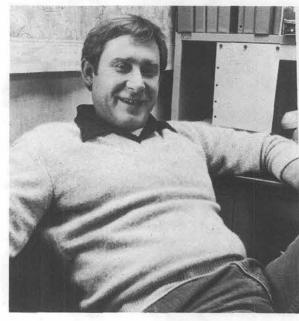
RAY BLAND (1472-4)

in skiing, backpacking and rafting. Ray is an ardent bicyclist and has been cycling to work for the past 10 years. Ray, his wife Louise, who is the x-ray technologist at Medical, and their four children live in the university area.

Retirees Take Note

A ruling has been rendered by IRS on tax treatment of periodic partial distributions from the Bell System Savings Plan for Salaried Employees. The ruling may apply to you if you were an active employee in 1974, -75, -76, or -77 and elected a periodic distribution in any of these years. Retirees who meet these conditions should contact Sandia Benefits on 264-6575 (area code 505). (On-roll employees were individually advised of this ruling by memo dated Oct. 30.)

Supervisory Appointments



JIM STRUVE to supervisor of Theater Systems Studies Division 8324, effective Dec.

Joining Sandia/Livermore in 1975 as a systems analyst in the Systems Studies Division, Jim has been doing studies relating to the use of tactical nuclear weapons. Previously, he spent 14 years in the U.S. Army where he taught nuclear weapons employment and performed systems analysis work for the Army Nuclear Agency.

He has an MS degree in nuclear engineering from the University of Missouri at Rolla and a BS in engineering from the U.S. Military Academy.

In his spare time, Jim enjoys traveling and camping. He and his wife Lou and their three children, two girls and a boy, live on Innsbruck Street in Livermore.



LARRY HOSTETLER to supervisor of Systems Studies Division 8328, effective Dec. 16.

Larry worked for Bell Labs as a systems analyst on an anti-ballistic missile project from 1969 until 1974 when he joined Sandia/Albuquerque. At SLA, he developed the Sandia Inertial Terrain Aided Navigation system (SITAN) and performed weapon systems analysis.

He recieved a BS from Purdue University in 1969, an MS from Polytechnic of Brooklyn in 1970 and a PhD from Purdue University in 1973, all in EE. He is a member of IEEE.

Off the job, Larry's favorite pastime is gardening, but he also enjoys hiking and camping. He and his wife Sharon have two children, a boy and a girl. They plan to live in Livermore.



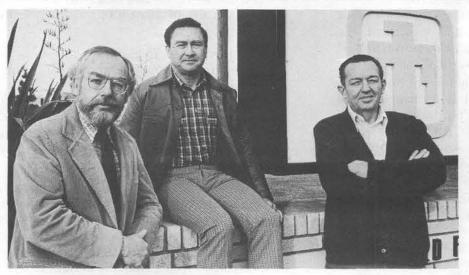
WINNERS in the recent doubles tennis tournament at Sandia/Livermore, Joan Hall (8200) and Dave Dean (8152), are congratulated by committee chairman Steve Peglow (8451). Twenty-eight teams consisting of eight women and 48 men competed in the round robin tourney. Because of the interest shown, plans are underway for future tournaments.

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AT SLL, Gary Drummond (8333), Bob Marmom (8412) and Norm Toly (8271) were recently approved for, respectively, MAS, TSA, and TSA. A total of 36 people throughout the Labs (see page 11) were the subjects of similar changes in status.



HAPPY HOLIDAYS — Santa, of course, works at Livermore, bringing cheer and all those good things to his fellow Sandians. Here security lieutenant Barbara McKee (father is Bert Folks, 8412) admits Santa (aka Bob Czapinski, 8323) to the Tech Area. He had visited children at a local nursery school on his way to work.

Sympathy

To Jess Castellon (8271) on the death of his father in Stockton, CA, Nov. 18.

To Dennis Sartori (8272) on the death of his father in San Francisco, Nov. 11.

To Lou Tallerico (8452) on the death of his father in Mt. Shasta, CA, Nov. 19.

To Bob Ware (8252) on the death of his mother in Hollywood, FL, Nov. 17.

To Ron (8252) and Judy Hafner (8212) on the death of his mother in Alameda, CA, Dec. 3.

To John Cordial (8161) on the death of his mother in Ashland, TN, Dec. 4.

Authors

Ernie Eason (8122), "Solution of Nonlinear Differential Equations by Discrete Least Squares," INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, Vol. 12, p. 597-612.

Jim Miller (8354) and Bob Kee (8322), "Chemical Nonequilibrium Effects in Hydrogen Air Laminar Jet Diffusion Flames," JOURNAL OF PHYSICAL CHEMISTRY, Vol. 81, p. 2534.

Dennis Siebers (8124), Prof. R. Viskanta (Purdue Univ.) and R.P. Taylor "Radiation Characteristics of a Multiple Plate Glass System," INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, Vol. 21, p. 815-818.

Scientific Team At Turin

We sometimes forget how swiftly the direction of our lives can change as we are touched by new ideas, motivated by new challenges. For Bill Mottern (1762), it began with a phone call.

"John Jackson was an Air Force captain assigned to Kirtland when he first phoned," Bill recalls. "He was interested in my work on image enhancement — a technique used at Sandia in non-destructive testing."

Captain Jackson and Captain Eric Jumper were doing research on photos of the Holy Shroud of Turin — a religious relic many believe to be the burial shroud of Jesus. (The shroud, some 3 feet wide and 14 feet long, bears the image, front and back, of a man who appears to have been crucified, scourged, beaten and capped with thorns.)

"Jackson and Jumper were testing a longheld hypothesis that the darkness of the image in the shroud varies inversely with the distance between the body and the cloth," Bill explains. "They were using a microdensitometer to measure image intensity and measuring actual distances on a volunteer of the right size and build draped with a replica of the shroud. The two sets of data were then correlated by computer and used to produce a 3-D image and later a 3-D cardboard model.

"I was intrigued," Bill says, "so I started working nights and weekends with them. We did a lot of image enhancement, converting all image points to correct vertical relief."

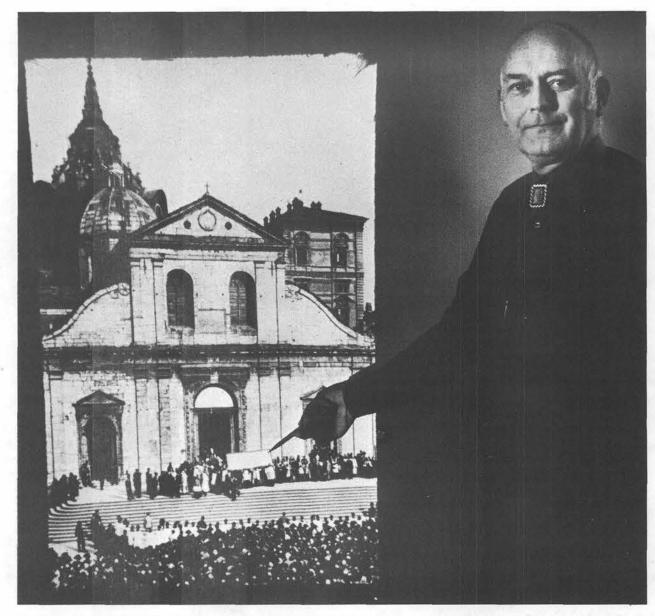
Their results were significant enough to excite the interest of the two principals of the Holy Shroud Guild in N.Y., Father Otterbein (the President) and Father Rinaldi (VP), who is a native of Turin and a leading advocate of scientific study of the shroud.

Under sponsorship of the Guild, a conference was held in Albuquerque in March 1977. "I attended," Bill says, "and was amazed at the number and caliber of people who came — from England, France, Italy and all over the U.S. My deep involvement in the shroud study dates from the conference."

In September 1977, Bill went to Turin as part of the 7-man original team that had formed around Jackson and Jumper — a team whose membership represented widely divergent religions. Their formal proposal for non-destructive tests on the shroud included extensive photography (black and white, color, microphoto, infrared, x-ray fluorescence, x-ray transmission, spectroscopy, infrared thermography). Using these techniques, the plan was to identify and distinguish between such diverse substances as blood, sweat, dyes, aloes and myrrh. They also proposed to use sticky tape to remove particles for lab tests.

By June of 1978, the U.S. scientific team was sufficiently hopeful about the acceptance of their proposal to meet in Colorado Springs to plan how to move equipment and people to Italy and to decide how much money would be needed.

"This was pretty much a labor of love," Bill told us. "Everyone on the team was donating time and talent and the Guild was paying most of the operating expenses for buying, renting, shipping equipment — and



IN 1931 WHEN THE SHROUD OF TURIN was last publicly displayed (prior to this year), priests (as Bill Mottern points out), carried the shroud out onto the steps of the Cathedral of St. John the Baptist in Turin. Bill was with the U.S. scientific team that studied the shroud last October using a variety of advanced nondestructive test techniques.

for living expenses. Even now, though, we're still trying to figure out how to pay off the last of the costs."

The U.S. team, numbering nearly 50, arrived in Turin on Sept. 29. Their 6000 pounds of equipment was impounded by customs officials, and near-Papal intercession was required to get it released.

"We set up our 20th century equipment in King Umberto's palace," says Bill, "among the paintings and the marble and the gilt. It was like a field test operation. At the last minute I was making the rounds of hardware stores trying to locate a couple of hundred feet of hose to get water in and out of my makeshift darkroom."

Experiments went on non-stop from midnight Sunday, Oct. 8, to 9 p.m. Friday, Oct. 13.

Any personal reactions?

"Definitely," Bill says. "When we first saw the shroud in the church in the presence of hundreds of pilgrims, there was a definite emotional reaction. After that, we settled down."

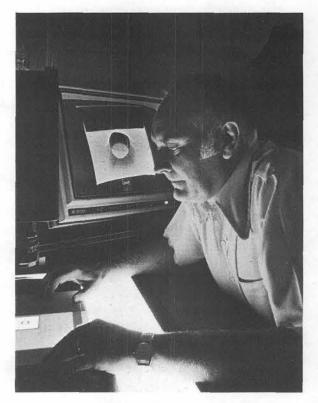
Photographs are still being processed and a meeting of the team is planned for next March. Even then no data will be released. The team agreed not to divulge anything until their data is analyzed and their report written and sent to Turin.

But what of the results? What might be proved or disproved?

"It's difficult to say," Bill replies. "If nothing more, our research will make it impossible for anyone to change or modify the shroud without detection. With the technology we used, the shroud is absolutely defined as it existed in October 1978."

And as to meaning?

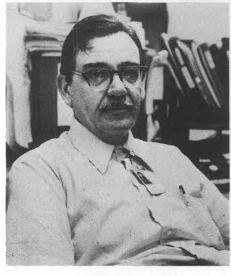
"From my standpoint, the meaning of



BILL MOTTERN (1762) worked nights and weekends analyzing photos of the Shroud of Turin on equipment like that shown here. These image enhancement systems (used in Sandia's Nondestructive Test Lab) are composed of a TV camera, a "mini-mini" computer, a 3-D graphics screen and a color TV monitor. Among many capabilities, image enhancement systems can display vertical distance as a function of image density.

what we learned, the interpretation in a religious sense, will have to be done by others. But having worked so closely with the shroud, I can say this: no matter how the image was formed, or when, it's still a masterpiece. Nothing anyone says or does can ever change that."

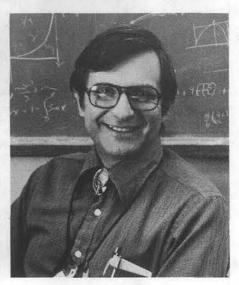
Christmas Customs - Varied and Colorful







Eva Leong



Bill Benedick

Fred Norwood

Charlie Zaffery

Blagoslovljen Božič — When Bill Benedick (5131) was a boy in Joliet, Ill., Christmas was the time of year he associated with the butchering of a hog and the making of various sausages. Last summer he gained some understanding of why these things were done around this time of year when he visited his parent's native village in Slovenia (a part of Yugoslavia).

"Their village lies in a deep valley surrounded by high mountain peaks. Winter comes early and brings lots of snow, and the people need fats in their diet to cope with the harsh climate. So they butcher cows and hogs and make sausage. Of course, doing this in December also compensates for lack of refrigeration.

"In Joliet, for the Slovenian community, Christmas Eve was both a religious and eating festival. We'd go to midnight mass, with carols sung in the Slovene language, then go home for the feast — sausage, many other things, and my all-time favorite — sour turnips, like sauerkraut only using turnips. We'd end up with a desert of potica, a kind of jelly roll made with nuts and honey. Then gifts would be exchanged.

"Actually, the kids had a double shot at gifts because it was traditional to observe St. Nickolaus' Day on Dec. 6. We'd put our shoes — not stockings — out the night before and if your behavior met with approval the shoes would be filled with fancy food, nuts, oranges, bananas and the like. If you found a lump of coal instead, the message was 'shape up'.

"Christmas Day was when the entire family — uncles, cousins, everybody — got together for another feast.

"In Slovenia we noted the churches were crowded on Sundays. The regime hasn't had much success in getting the people to abandon their religion."

Felíz Navidad y Próspero Año — Fred Norwood (5533) grew up in Mexico City, and he reports that Christmas season ceremonies and rituals are perhaps the principal religious observation of the year.

"We call it Las Posadas (literally, the inns)," Fred recalls, "and activities begin on Dec. 16 and run through Dec. 24th. As it turns out, this period includes the five holy days of the older Aztec religious calendar, which still have meaning to village Mexicans, many of whom are the Aztec's direct descendants.

"Generally, Las Posadas consists of an evening candlelight procession of neighbors within the courtyard of a single house. The person at the head of the procession carries a small nativity scene and, according to ritual,

knocks and asks for lodging at the house, only to be denied as in the biblical story of Joseph and Mary seeking lodging in Bethlehem. But after several tries, admission is granted and the group enters and prays before a larger nativity scene. Then small baskets with confections are passed out to everyone.

"Later that same evening, the piñata — a decorated clay pot — is suspended outside in the courtyard. It contains chunks of sugar cane, apples, oranges, peanuts, candies and the like. The children, wearing a blindfold, take turns swinging at the piñata with a stick until one finally breaks it, and there's a free-for-all as the kids scramble for the goodies.

"Las Posadas continues nightly through Christmas Eve, at different people's houses. On that night, the ceremony may be concluded with two people rocking a finely dressed figure of the infant Jesus. Afterwards, there's midnight mass and sometimes a family reunion. And a feast.

"We have special foods too for Christmas Eve — ensalada de noche buena, cod fish cooked in tomato sauce with olives and potatoes, and many kinds of tamales that everyone helps make.

"It used to be that presents were not part of the custom, but there's more of that in recent years, chiefly in the upper classes. When presents are exchanged, it's done on Jan. 6 — El Dia de Reyes. And 20 years ago you'd never see a Christmas tree, but that's becoming more prevalent too . . . looks like the merchants are beginning to recognize the profit potential in Christmas."

Sing Don Fai Lok — Eva Leong of Sandia Livermore's Material Movement Division 8256 told us about the Chinese observance of the Christmas holidays.

"Over the years, the Chinese have been predominately Buddhist, so traditionally our people recognize three religious holidays—the Chinese New Year in February, the Fifth Day of the Fifth Month in June and the Moon Festival in September. We do not celebrate Christmas itself, but a holiday referred to as 'Gau Do-ung,' meaning 'Wintertime,' falls near the 25th, this year on Dec. 22nd.

"Gau Do-ung is known for its feasting and family gatherings. A typical meal includes ball dumpling soup, called 'tong-yuen,' made of rice flour cooked with chinese turnips and sausage. The balls rise to the top and float in clusters, symbolizing getting together for closer relationships with friends and relatives. Another popular custom is called 'firepot.' Bite size pieces of raw squid, clams, shrimp, beef, lamb and other meat and seafood, along with various Chinese vegetables, are dropped

into a pot of boiling water by family members gathered around the dining table. Hot food during the cold winter weather helps to make for a really festive time!

"Those Chinese who have been converted to Christianity celebrate Christmas as most Americans do, and now our children have begun their own traditions. Each year when I go to throw out a six-foot aluminum tree we bought back in the '60s, the kids claim that as being 'traditional.' I feel we're about the only family still putting together and decorating an aluminum tree each year. And several years ago two of our daughters made Christmas stockings and some fuzzy people dolls depicting each of the seven family members doing his or her favorite pastime. Mine was bowling; my husband's was tennis. Now these are part of our family's Christmas tradition."

Kala Christouyena — Though a third generation Greek, Efstratios "Charlie" Zaffery (1241) still holds to some of the customs he enjoyed as a boy.

"We have two parts to Christmas," Charlie says. "We observe Dec. 25 as your standard American family — Christ's birth, Christmas tree, and wrapped presents. And then there's the Greek part.

"During the Christmas season my wife Kalleope (Opal) bakes the traditional Greek cookies and sweet breads — koulourakia and vasilopita.

"We attend midnight liturgy at the St. George Greek Orthodox Church (Charlie has been a member of the Church board for many years). On Christmas Day we sing the Kalanda — a collection of Greek Christmas carols — at home and in the homes of friends. My children speak a little Greek and they can handle these old songs.

"The original Santa Claus was a Greek, you know — St. Basil, and we observe St. Basil's Day on Jan. 1. On this day (which is more festive than religious) Opal bakes the traditional basilopeta, a heavy-textured sweet bread. Each loaf contains a coin. Whoever gets the piece with a coin supposedly enjoys good luck all year. All the Greeks serve basilopeta to visitors. One year when I was a kid I got three coins on St. Basil's Day. I suppose I had good luck — at least I had three coins."

"We Greeks tend to hang onto tradition more than most," Charlies says, "but, still, they're slowly fading. The fact that we have immigrants from Greece in the local community — about 15 percent of our church membership — helps. Although they're eager to become Americans, they do appreciate and encourage the old customs."



CHRISTMAS BASKETS are filled by Carrie Papp, Robert Miera (both 2454) and Yvonne Strascina (2426) as part of Org. 2400 Christmas Project. Group is helping 24 families this Christmas season.



BERNIE SENA, manager of Kinney's Shoes on Central, checks out the fit for one of his young customers. The store grants a discount to Org. 1200's Shoes For Kids Christmas project, which this year bought shoes for more than 80 children.

Christmas '78 At The Labs

Several long-established Christmas projects continued this year at the Labs, helping people in Albuquerque and surroundings communities. Here are highlights of some of those projects.

Shoes for Kids — A project with a long tradition (21 years), Shoes for Kids is sponsored by Org. 1200 and chaired this year by Betty Biringer (1233). Betty reports that more than 80 youngsters from elementary schools throughout the city were bussed to Kinney's Shoes on Central. Kinney's has participated in this project for many years and provides the shoes at discounted prices. Funds for Shoes for Kids are donated chiefly by people in 1200, but a number of other organizations contribute as well.

South Highway 14 Village Project — The project bank balance enabled this project to assist 36 of the 75 families with whom the group has worked over the years. Next year those who were missed this year will be on the list for assistance. All live on South Highway 14 behind the Manzano Mountains in the villages of Escabosa, Chilili, Tajique, Torreon, Manzano and Punta. Perhaps half are families in the traditional sense, still having children at home, but more and more the family consists of an elderly couple or a widow or widower, since the young people tend to migrate to the cities. One family in Manzano was totally burned out and now needs a complete household of furniture, clothing, and the like. The Christmas boxes include food, new and donated clothing and other household items. Turkeys go to the large families, canned hams to the small. Revenue comes from the used book stands located around the Labs and from donations. People in Orgs. 3162 and 3512 run the South Highway 14 Project.

Org. 2400 Christmas Project — The senior project at the Labs (now age 22), this group uses its donated monies to buy a week's groceries, including a Christmas dinner, for 24 families. Names of the families are provided by the Salvation Army. The goodies were distributed by people in 2400 on Dec. 21. Cochairman of this year's project are Anthony Garduno (2451) and Robert Miera (2454).



SOUTH HIGHWAY 14 Village Project reaches Jose Candelaria and Luis Montano, who live in one-room adobe homes near the village of Manzano. Both are widowers, live alone, raise a few sheep and beans, speak little English, and enjoy company.

Ex-Labs VP Heads DOE Board

Sol Buchsbaum, former research VP at Sandia Labs and now VP for network planning at Bell Labs, has been named to head the Dept. of Energy's new Energy Research Advisory Board.

The Board will advise DOE's senior staff on overall research and development being conducted under DOE and provide longrange guidance. The Board will also serve as a link between the technical community and the government.

Board membership now stands at 22. Additional appointments are expected soon.

Mr. Buchsbaum transferred to Sandia from Bell Labs in 1968 and returned to Bell in 1971.

Congratulations

To Leo Cordova (3411) and Bernie Lucero, married at La Joya, N.M., Nov. 18.

Events Calendar

Dec. 22-24 — Living Nativity Scene, Hoffmantown Baptist Church, 6:30-10 p.m. Dec. 24 — KHFM 96.3, Sleeping Beauty, noon; Hansel Und Gretel, 6:40 p.m.; Christmas Concert, 8:50 p.m.

Dec. 26-Jan. 2 — "Funny Girl," Albuquerque Civic Light Opera, Popejoy, 277-3121.

Dec. 29-31, Jan. 5-7 — "Hollywood Follies," Tiffany Playhouse, 242-0441.

Jan. 3 — "Adventures of a Wildlife Photographer," Audubon Wildlife Film Series, Popejoy, 277-3121.

Jan. 6-8 — "Fiesta on Ice," Coliseum Ice Arena, 265-1791.

DEADLINE

Next issue of LAB NEWS will appear on Jan. 12. Deadline for copy and ads for that issue is noon, Jan. 5.

Fun and Games

Skiing — The Coronado Ski Club reports the following upcoming trips: Crested Butte, Jan. 13 to 19, space available, Lassiter on 4-6736; Mid Colorado, Jan. 28 to Feb. 2, standbys only, Wentz on 4-1915; Crested Butte, Jan. 27 to 29, space available, Butler on 4-1632; Crested Butte, Feb. 17 to 20, standbys only, Yoshimura on 4-2452; Purgatory, Feb. 10 to 12, space available, Caryl Peterson on 298-1235; and Salt Lake City, March 10 to 14, standbys only, Butler on 4-1632.

Another type of skiing that many now find enjoyable is cross country touring. A good way to get introduced to the sport is to take one of the weekend trips now offered by several outfits in town. These generally load up a bus Friday night and head for the high

mountain meadows of Chama, one of the best sites in the state for touring. LAB NEWS has a few brochures available giving details on these trips.

Marathon virus — It's spreading and in the last month no fewer than eight Sandians have succumbed: Larry Johnson (4325) in the Dallas; Al Spencer (3643) and Bill Hendrick (3642) in the Phoenix; Jim Harrison (4311) and Mike Stephenson (8141) in the Honolulu; and John Liebenberg (8453), Dan Dawson (8314) and Stu Keeton (8352) in the Livermore. Dick Jones (8414) was cochairman of the last-named.

Fun Bike/Run — In Livermore they came up with an interesting competition: a biker and a runner team up, biking and running against other simila teams. Everyone starts together, but the bikers do an 8.5 mile course while the runners do 4.5 miles. Times are combined to determine team winners. In the event, Walt Bauer (8347) was the fastest cyclist (23:27) and he and his running partner, Bert Johnson (LLL), beat 22 other teams with a total time of 46:47.

Bowling — Sandia Bowling Assn. Bowler of the Month winners for Novembe were: Tony Garcia (3411), 634(S); Joe Betterton (DOE), 681(H); Eunice Simpson (3240), 508(S); and Maria Diaz (1211), 645(H).

Retiring



Bill Farrar (2116)

Roy Allison (1412)





Don Knapp (1211)





Bill Harwood (1415)



Ivan Moore (1210)



Bill Anderson (2166)



Gil Lenert (2458)



Sherry Smith (1733)



John Pupelis (2457)



Francis Bertolucci (3141)





"Shorty" Gonzales (3614)



Gordon Barnett (1543)



Dave Clenney (3715)





Roy Hay (3613)

H.E.L.P. Members Aiding Police

The H.E.L.P. (Help Eliminate Local Problems) Club is an organization of about 125 men with CB radios who aid the Albuquerque Police Department with projects. various Currently, members are patrolling the parking lots of eight major Albuquerque shopping centers as part of their "Christmas Watch" project.

"Our job," says Foster Tennant (9571), coordinator of the project, "is to report anything suspicious to the police. We are trying to discourage thefts from parked cars. We act as additional eyes and ears for the police."

At State Fair time, H.E.L.P. members patrol the streets around the fairgrounds. On Memorial and Labor Day holidays, the club mans a three-day, 24-hour a day "Coffee Break" on nine-mile hill west of the city and offer motorists free coffee and donuts and a chance to take a break.

Sandians (and their CB handles) who participate in the club include Foster Tennant (9571), The Glass Man; Glen Baker (3422), Two Wheel Roadrunner; Bob Schmedeman (2355), Red Pepper; Andy Landis (3163), Mr. Fixit; Bruce McCloud (3426), Big Mac; Ray Negus (1471), Old Buzzard; Larry McCollum (1471), Smokey Mountain Boy; Craig Walker (3426), Cup Cake Man; Ray Arvidson (1423), White Eagle; Bud Hall (3426), Tumbleweed Pete; and Lee Saunders (3426), Grease Ball.

Take Note

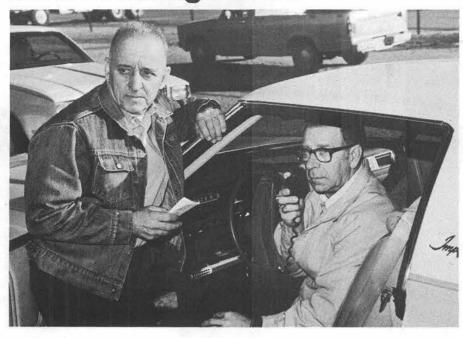
The Blue Portal gift shop (LAB NEWS, Nov. 27, 1978), the Assistance League of Albuquerque's new project for senior citizens, has a new schedule: hours for accepting merchandise for sale run from 9:30 a.m. to 12 noon on Mondays. And, beginning Jan. 1, the Blue Portal will collect merchandise only on the second and fourth Mondays of each month.

Explorer Post No. 296 is holding an open house for young people ages 14 through 21 on Sunday, Jan. 7, at the First Congregational Church, Lomas and Girard, at 7 p.m. Primary interests of the post are amateur ham radio, aviation and backpacking. The open house will include a display of equipment and a film. For additional information, call Paul Thompson (3612), 255-1513.

Three Sandians who are members of the Sandia Peak Ski Patrol attended a victim of a heart attack Sunday last at the Los Alamos ski area. They are Jack Cyrus (2524), Paul Souder (4362) and Dick Volk (2354). Performing CPR on the victim while on the slope, Jack Cyrus and other patrollers kept him alive during the arduous evacuation by rescue toboggan. The victim later died while in the hospital.

Sympathy

To Vivian Wuttke (1471) on the death of her brother in Albuquerque, Nov. 28.



PARKING LOTS at major shopping centers are being patrolled by members of H.E.L.P. this Christmas season in an effort to discourage thefts from parked autos. Andy Landis (3163) and Foster Tennant (1471) are among the volunteers working on the project.

Deaths

Luke Stravasnik of Transportation Division 1713 died suddenly on Dec. 9 while on a ski trip in Pagosa Springs. He was 53.

He had worked at Sandia Labs since August 1956.

He is survived by his wife, a son and a daughter.

* * *

Milt Morris of Stockpile Systems Test Laboratory 1424 (Pantex) died on Dec. 9 in San Antonio following an illness. He was 53.

He had worked at Sandia Labs since May 1956.

Survivors include his widow and his parents.





fiere Hiback

Q. There is an increasing disparity between the interest rate charged on loans and the interest rate paid on shares by the Credit Union. In years past, the Credit Union provided a genuine service to employees by paying a reasonable amount to interest on shares on the one hand, and making it possible to avoid the "loan sharks" on the other. The margin between share interest and loan interest was small. Now, however, this margin is large (±5%). Commercial savings and loan agencies can beat the Credit Union on both ends — and they have to show a profit! What gives?

A. It's true that loan interest rates have gone up, but I think you'll find that the Credit Union still offers the best interest rates, both on savings and on loans. Note the table below. It shows current interest rates paid on savings and charged on loans at the Credit Union, compared with rates at local banks and savings and loan institutions.

The average loan rate (all outstanding loans) in November 1978 at the Credit Union was 9.25%, and the average cost of money (dividends and interest on borrowed money) was 6.41%, a margin of 2.84%. Beginning in

January 1979 the average cost of money will be 6.8 to 7.25% (assuming \$5-\$10 million is transferred from regular shares to 94% certificates) resulting in an operating margin of about 2%.

In summary, the Board of Directors has tried to operate the Credit Union to the best advantage of our members. On balance, we have kept loan rates lower than commercial institutions and have offered savings opportunities that are as good or better. In particular:

- We have not increased loan rates since June, when there was a nominal increase.
- 2. Except for mortgage loans, there has been no limit on availability of loan funds. (Probably no other financial institution in town can make both statements.)
- We have added share certificates and investment certificates that are competitive with, or better than, those of banks and S & L's.

C.E. Sandy, President Board of Directors

Savings	Credit Union	Banks	S&L
Passbook	6%	5%	5 1/4 %
Long-term certs.	7 3/4 % (5 yr.)	7 1/2 % (6 yr.)	7 3/4 % (6 yr.)
	6¾% (1 yr.)	6% (1 yr.)	6 1/4 % (1 yr.)
Money market	9 1/4 %	T-bill rate	T-bill + 1/4 %
	(6-9 mo. \$5,000)	(6 mo. \$10,000)	(6 mo. \$10,000)
Loans			
First mortgage	91/2%	$10-10\frac{1}{2}\%$ + pts.	10-10 34 % + pts
Second mortgage	11%	N/A	generally N/A
Consumer Loans:		4) ²⁰	
Autos	9 ¾ %	11 ½%-12¾% (or N/A)	N/A
Other secured	8-11%	11 1/2%-12 3/4%	N/A
Unsecured	11%	12 3/4 % (if avail.)	N/A

December in the Enchanted Land

We've traced down a few bits of December history in New Mexico. Reference works include: Reeve's History of New Mexico, Twitchell's Leading Facts of New Mexico History, the American Guide Series on New Mexico, and Andrew Gregg's Pictorial History of New Mexico in the 19th Century.

Dec. 15, 1933 [45 years ago] — The Don Fernando Hotel, on the southwest corner of the plaza in Taos, burned today. Fires have plagued Taos; successive fires last year levelled two sides of the plaza, resulting in extensive restoration to many buildings. The long portals extending over the sidewalks were added at this time.

Dec. 15, 1880 [98 years ago] — Gas lights were turned on in Santa Fe today. Santa Fe could be described as a cosmopolitan city. With the advent of the railroad (the first locomotive crossed the summit of Raton Pass on Dec. 7, 1878), visitors and goods are pouring into the city. Hotels are filled, good food is served, and amenities of gracious living are present in many homes. Distinguished visitors have come to the city in the past few months: President Hayes was hosted by pioneer merchant Levi Spiegelberg and Governor and Mrs. Wallace entertained General and Mrs. Ulysses Grant.

Dec. 26, 1859 [119 years ago] — The Historical Society of New Mexico was organized.

Dec. 20, 1858 [120 years ago] — Edward Beale, on a military survey for a wagon road between Fort Smith (Ark.) and the Colorado River, reached the Llano Estacado (the plains of southeastern N.M.) on Dec. 20 and reported: "... we ascended the mesa... and encamped on its summit without wood or water, but with abundant grass... Before reaching our camp a fresh Indian trail was passed, apparently not twenty minutes old; this makes us doubly watchful tonight, as well as anxious, lest possibly we may lose a mule or two, to say nothing of the train.

"Dec. 21 . . . traveling over the dead level plain, we camped for an hour to graze our animals on the prairie. The grass . . . is everywhere abundant, but of water there is none, unless at times the rains may leave a pool or two standing in the old buffalo wallows. We saw not a living thing but a prairie dog and antelope or two, and a crow, in crossing this extensive plain. Evidences enough exist that years ago buffalo have grazed on its fine grasses, but now there is not one to be seen . . ."

Dec. 30, 1853 [125 years ago] — The Gadsden Purchase was signed today. The U.S. paid Mexico \$10,000,000 for all the territory



SKETCH of a buffalo (American bison), was drawn by one of Oñate's men, 1599.

along the southern boundary of the U.S., from the Rio Grande to the Colorado River.



Col. Alexander Doniphan

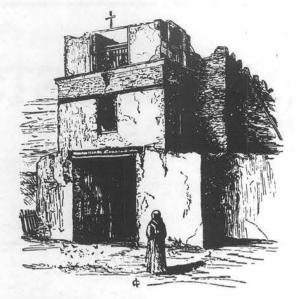
Dec. 25, 1846 [132 years ago] — The only battle of the Mexican War fought on New Mexico soil took place on this date at Brazito (nine miles below Las Cruces). Col. Doniphan, with 865 men, camped at Brazito. As the Mexican force of 1000 soldiers approached, they were hit with heavy rifle fire. During their retreat many were killed by Apaches

who had been watching the battle from nearby hills. The American troops occupied El Paso del Norte without a struggle on Dec. 28, and six weeks later began their advance on the city of Chihuahua.

Dec. 16, 1693 [285 years ago] — Don Diego de Vargas returned to Santa Fe with 70 families, 100 soldiers and 17 Franciscans. He had reconquered New Mexico the previous year and had returned to El Paso to gather his settlers.

Dec. 1625 [353 years ago] — Alonzo de Benavides, custodia of the Franciscan Mission Province and agent of the Inquisition, arrived in Santa Fe. Progress had been made in mission work and, in 1626, Fray Benavides was able to report that there were 43 churches in New Mexico. He further claimed 34,000 Indian conversions to Christianity.

Dec. 24, 1600 [378 years ago] — Merry Christmas! Relief forces and much needed



SAN MIGUEL CHURCH, Santa Fe, as it appeared in the 1870's. One of the oldest churches standing in the U.S., San Miguel was built about 1636 for the use of the Indian slaves of Spanish officials.

supplies from New Spain reached Oñate at San Gabriel (near present day San Juan Pueblo).

Dec. 4, 1509 [380 years ago] — Acoma Indians revolted, trapping Oñate's nephew Juan de Zaldivar and 18 men in their skytop fortress. All but four soldiers, who leaped off the rock, were killed.

ENERGY SAVINGS COMPARED WITH USAGE IN BASE PERIOD JULY 1972 THRU JUNE 1973 CURRENT REPORTING PERIOD ENDING OCT. '78 ELECTRICITY BASE PERIOD 22458 BBLS STEAM PLANT FUEL EQUIV. OIL BASE PERIOD 22458 BBLS 18.61 SAVED VEHICLE MILES THOUSANDS 978 2455 MI.O. 1-1.19



THE HISPANIC HERITAGE OF NEW MEXICO is the theme of a new exhibit at the Albuquerque Museum. Artifacts from various state museums and private collections make up the exhibit. This segment shows items used during Holy Week services by the Brothers of Light or "Penitentes." Among early settlers, religion was a common bond, yet during the 19th century many small villages were without a priest. The Penitentes supplied religious leadership; they looked after widows and orphans, fed the hungry and buried the dead. Linda Ingroff, of the Museum staff, described the artifacts: two matracas (the wooden rattles, on wall and floor), used as a substitute for bells during services and to simulate the sound of hail which fell during the hours of the crucifixion; three yucca and cloth disciplinas (whips) used during self-imposed flagellations; a bulto (Christ figure in the round) of Sange de Cristo; a madero (carrying cross); and a wooden tenebrae (candelabra). The Museum is located at the Old Sunport Building on Yale Blvd. SE.

MILEPOSTS LAB NEWS

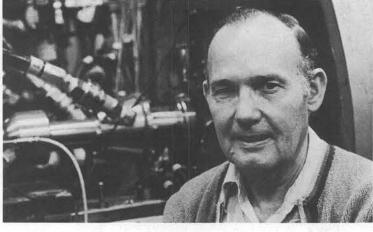
DECEMBER 1978

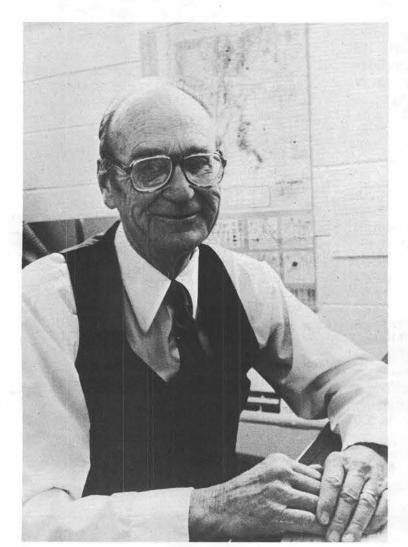


Joe Genoni-8450

20

Ken Goin - 4216





Tom Morgan - 3533



Ruperto Jaramillo-3426 20



Roy Boyd-3612



Bruce Nevin-8463

15



James Greenwoll-1116 20



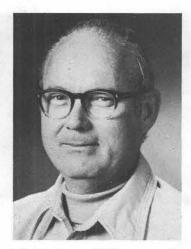
Ed Cull-8452



David Trapp-1585

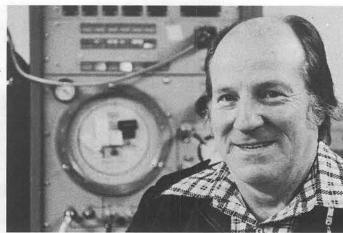
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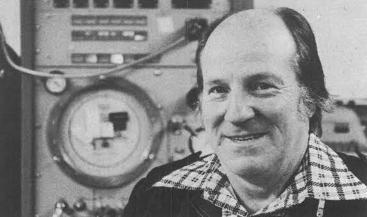
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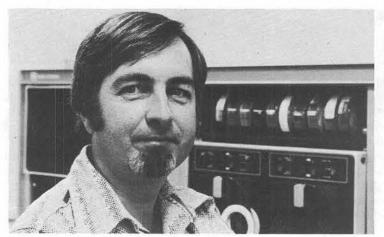




10

30





Robert Prew - 2534



Art Key-3223

15



Arthur McCarthy-1252

15



Seferino Sanchez-3426 10



CONGRATULATIONS are in order for each member of this select group, recently reclassified to TSA, MTS, or MAS (technical staff associate, member of the technical staff, member of the administrative staff). Far back row, left: Karl Wiegandt (2424), George Ingram (1254), Blythe Wemple (1472), George Easley (2162), Jerry Soden (1222), Pete Seward (1135), E.D. Niper (5627), Larry Gillette (1585), Arthur Lynch (5812), Dan Brewer (3251),

Lyle Porter (1739), Lawton Miller (5623), and Robert Prew (2534). Standing, midfield: Gene Hammons (5132), Lyle Kruse (4232), Stan Love (1417), Marian Van Delinder (3213), Earle Chapman (1759) and Serafico Carrillo (6021). Kneeling: Bob White (5151) and John Shane (2331). Seated on steps: C.L. Sparks (1712), James Freese (5842), Felix Almaraz (3253), Charles Kinsey (1733), John C de Baca (1522) and Harold Gottlieb (1244).

JUNK•GOODIES•TRASH•ANTIQUES•KLUNKERS•CREAM PUFFS•HOUSES•HOVELS•LOST•FOUND•WANTED•&THINGS

CLASSIFIED ADVERTISING

Deadline: Friday noon prior to weel day. Mail to: Div. 3162 (814/6).

RULES

- Limit 20 words.
- One ad per issue per category.
 Submit in writing. No phone-ins.
 Use home telephone numbers.
- 5. For active and retired Sandians and **ERDA** employees.
- No commercial ads, please Include name and organization.
- 8. Housing listed here for rent or sale is available for occupancy without regard to race, creed, color, or national origin.

MISCELLANEOUS

BALDWIN Orga-Sonic concert organ w/Leslie speaker, solid walnut cabinet & bench, \$800 or best offer. Lyon, 299-9423 or 294-4324.

SNOW TIRES, 2 Big-O H70-15, same as "Sun Valley" without lettering, \$70/pr. Heinze, 281-1226.

BEAN BAG chair, \$5; oak cabinet, \$40. Shepherd, 299-9066.

TIRE, Flot-Trac RV 11-15 LT, used 8

mos., \$25. Aldaz, 294-4803. RELLO DRUMS: 1 snare, 1 base, 2 toms, 1 pr. Zildjian hi hats, 2 Zildjian bell cymblas, 20", \$350. Chacon,

344-6540. LUMINARIA SALE, Boy Scout Troop 165: \$1.75/doz., pickup St. Paul's Methodist Church, 9500 Constitution; or \$2.25 delivered-3 doz. or more.

Burnett, 299-6770. RIFLE, .22 cal. Ruger, 2 10-round clips, high power 4X scope, carrying case, best offer. Seidner, 256-9417.

CHILD AUTO SAFETY SEATS, GM, Ford, \$20; washing machine, \$20. Harrigan, 266-4143.

SINGER sewing machine w/cabinet, \$80; GE hair dryer, new, \$5. Simons, 821-9343.

AIR COMPRESSOR w/hoses for paint spraying, piston type, \$25; lawn mower, \$20; lawn edger, \$5. Barth, 345-0172.

WINE MAKING GEAR: 5-gal. bottles, keg, 10-gal. crocks, stoppers, bubblers, etc. Meikle, 299-4640.

LA-Z-BOY recliner, black, \$100.

Minter, 256-9225.

ROLL-TOP DESK, walnut finish, 5' wide, new. Christopher, 293-8675.

CAR TOP CARRIER, 60"x58"x34" plywood top on Sears 60" carrier bars, \$15. Barber, 299-1752.

MAGNA jointer w/metal table & 34 HP motor, \$125. Bickel, 255-8246. ELEC. bicycle conversion kit, complete

1 hp motor, battery, control & charger, \$189; electroped, 25-mile range, complete, \$295. Bassett, 898-1840. COUCH & LOVESEAT, red & white; 3

modern glass tables; glass dinette set; adding machine; B&W TV. Haggerty, 266-8878.

O'KEEFE & MERRITT gas range, chrome top w/lg. grill, oven & 2 broilers, pan drawer, fold-down shelf. Joseph, 299-6989.

MOVIÈ CAMERA & PROJECTOR, Bell & Howell 8mm, \$200; Bundy clarinet, \$150; Jensen stereo speakers, \$200; Sears port. washing machine, \$50. Corradini, 266-4307.

71 FORD trucks shop manuals on engines, chassis, body, elec., maint., lubrication, all \$10. Wempe, 884-7325.

TRACK LIGHTING: 4 ea. 8' Trac bars, 7 ea. Continental lights, 1 high intensity spot, retail \$360, asking, \$150. Metcalf, 296-2897 after 6.

OFFICE DESK; 12" band saw complete w/motor. Grant, 255-6105.

DUCKS; \$10/pr., geese, 1 pr. \$25; bantams, \$5; will trade for feed, etc., need lg. incubator. Lackey, 898-6638.

HAM RADIO transceiver, Kenwood TSiller a DC P.S. Cubex quad 3-band antenna, \$100. Baremore, 296-9267.

DINING ROOM TABLE, Spanish, round & hand-carved rim, ornate hand-carved base, 4-Spanish style chairs (Poltrona-type). Gutierrez, 821-4512.

ATLAS milling attachment for 9 or 10" lathe. Laskar, 299-1024.

BEDROOM SET: dbl. headboard, 56" dresser w/mirror, nightstand, \$250; 108" green sofa w/wood accents, \$100. Carlyon, 265-0734. CLARINET, Medalist, \$125. Montoya,

881-6898.

BRUNSWICK elec. air hockey table, 3'x6', \$60 or trade for ping pong table plus cash. Lohkamp, 298-6494.

WASHING MACHINE, Frigidaire, \$50. Garton, 298-8510.

FIREPLACE SCREEN, fits opening '75 OLDS Starfire, low mileage, 1 251/2"x481/2", polished brass, \$30. Reynolds, 299-5157.

FREE PUPPIES, mix miniature Schnauzer & Fox Terrier, born Nov. '77 YAMAHA DT-250 Enduro, under 11. Millard, 296-4923.

8-TRACK TAPE PLAYER & slide-out mount, Radio Shack, 2 mos. old, \$35. Leenhouts, 299-7856.

FLUTE, Yamaha. Smith, 298-3113. COLOR TV, 23" Westinghouse, \$95. McConnell, 255-2488.

F.I.E. 12 ga. shotgun, \$30; Lee loader, Lee powder measure set, 25 lb. shot, hulls, wads, etc., \$40; black light, \$5.

Watterberg, 294-6759. OSCILLOSCOPE, Heathkit, 10-4541, DC to 5 Mhz, triggered, professionally assembled, \$150. Roeske, 296-3946. SHELTIE PUPS, 8 wks old, sable-white.

Hamilton, 869-2718. MARTIN D12-20 12-string guitar with hard shell case, \$500; bittersweet orange nylon shag rug, 9'x12', \$30. Cook, 299-5061.

DOLL HOUSE, 21/2 story, New-England style, pine; scale: 1"=1', \$45. Dalphin, 265-4029.

TRANSPORTATION

BICYCLE, ladies Raleigh, 3-spd., 26", \$50. Davis, 298-3277. BICYCLE, ladies Schwinn 3-spd., \$50.

Shepherd, 299-9066. '76 CHEV. Monza hatchback, 4-spd.,

after 5, 821-1151. 78 OLDS Starfire GT-V6, completely equipped, 3300 miles, NADA book \$5325, negotiable, trade possible.

Miller, 255-1324. '74 PONTIAC Gran Prix, \$3400; low mileage, all power, new tires/brakes.

Banach, 292-3127. BICYCLES ladies; and man's, both 10 spd., 27" wheels, \$75 ea. Wray, 294-2019 after 6.

'75 PINTO, 2300 engine, 4-spd. trans., \$1150. Rupe, P.O. Box 715, Cedar Crest.

'76 GRANADA Ghia, 4-dr. sedan, low mileage, new Firestone 721 steel belted radials. McIlroy, 299-4977. '75 TOYOTA Celica, 5-spd., AM-FM

stereo, air, 32,000 miles, \$3995. Schelby, 881-4231. BICYCLE, ladies, 10-spd., 5 mos. old, \$75. Joseph, 299-6989.

owner, AM/FM, AC, green w/white interior, 4-spd. trans., Ahr, 296-5165 after 5:30.

retail, includes owner & shop manuals. McClenahan, 294-8454. '75 CHEVROLET Malibu Classic, 4-dr.

sedan, AM/FM radio, low mileage, \$2650. Reynolds, 299-5157 '75 HONDA CB360T, 7000 miles,

fairing, crash bars, sissy bar, \$750. Babicz, 299-5938.

78 DATSUN 280-Z, 5-spd., fully equipped, Mitchell, 865-7941 or 865-9094 7-10:30 p.m.

'67 VW BUG, 4000 miles on rebuilt engine, FM-AM cassette stereo, new paint, mud-snow radials, \$1200. Norcott, 865-7789.

'74 VW 412 wagon, AT, fuel injected, AM-FM-8 track, 41,500 miles, \$2400 or best offer. Brown, 296-9009.

'76 DODGE Colt, 4-dr., 2000, reg. gas, 5-spd., air, deluxe interior, vinyl top, PB, below book. Jefferson, 293-3529. '72 COUGAR XR-7, AC, AT, PS, 351 engine, mags, AM-FM-8 track stereo, \$1850 or best offer. Beeson, 299-6132

'67 PLYMOUTH wagon, AT, PB, PS, 90,000 mi. Gerwin, 881-0028.

'72 IH TRAVELALL 1210 4x4, 392-V8 Harty, 294-7369.

REAL ESTATE

radials & more, 294-5517, 298-3737; 5 ACRES, well, pump, electricity, septic system, many improvements, telephone underway, ready for construction in Spring. Rupe, P.O. Box 715. Cedar Crest

WANTED

VOLKSWAGEN BUG, 1968-75, good orig. condition; Stevens S.S. rifle, Model 417 Walnut Hill. Smitha, 881-1001.

TABLE SAW, 8" tilting arbor preferred; boat, 12' alum. for fishing. Meikle, 299-4640

WEIGHTS for weightlifting set, prefer 20-40 lb. weights. Prevender, 299-5253

CANOPY bedroom set; dishwasher; refrigerator; wood dinette set; master bedroom set. Haggerty, 266-8878.

ONE OR MORE place settings of Noritake "snowflake" pattern stoneware. Arenholz, 298-1724.

TIRE CHAINS for L78-15 tires. Sutherland, 266-4069 after Jan. 1.

FINANCIAL SPONSOR for women's basketball team (includes 7 Sandia women) in AAU tournaments. Montoya, 898-2537 after 5.

EIGHT OHM bookcase stereo speakers; china cabinet; guitar case to fit Pimentel Model 001. Leeman, 299-9149

DEER HUNTER to share expense on "C-5" area deer hunt, Jan. 6-7. Cook, 869-6921.

LOST AND FOUND

LOST - Yamaha key on plastic tag 'Skye," silver key w/black plastic knob, man's red/white/blue ski hat w/decorated mouse, grey frame sunglasses, VW key, black Compa umbrella, SR51 Texas Inst. calculator in case, silver I.D. bracelet engraved "O, Simon '72," ladies' dark blue wool stocking cap.

FOUND — Six keys on ring, granny

glasses w/black frames, ladies black/tan gloves, man's black LH leather glove, ladies' knit/suede LH tan glove, silver necklace w/coral inset. LOST AND FOUND, Bldg. 832-1657.

FOR RENT

TAOS SKI VALLEY CHALET, luxury 3bdr., 11/2 baths, sleeps 8 plus, fully equipped kitchen, ski to lifts. Marion, 294-8256.

FURNISHED efficiency apt., few blocks east of Carlisle, private patio, \$165 includes utilities. Young, 265-1345 after 5:30.

SPANNER WRENCH for front hubs, Chev. & GMC 4-wd front axles. Stevens, 884-7984.

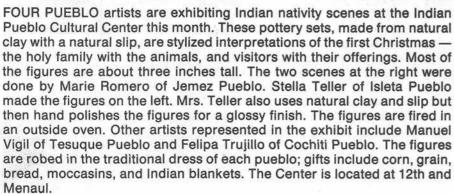
SKI CHALET near Taos Ski Valley, deluxe accommodations, sleeps 8. Peet 294-1250

3-BDR., 134 bath, unfurn., range/dishwasher, dbl. garage, fp, carpets, no-wax-lin., drapes, Lomas La. area, no pets, \$375/mo. Carlyon,

265-0734. HOUSE in Eastridge area, avail, between 8/1/79 & 9/1/80, terms are somewhat flexible. Reif, 299-2665.

3-BDR., 11/2 bath, LR. DR. kitchen, laundry, single garage, large fenced lot, close to base. Forsythe, 298-4034.











If you're unhappy, dissatisfied and frustrated, maybe you're wearing the wrong color and style of clothing. Joan Songer (of Oakland, CA) founded her clothing store on that very premise.

For a fee, she'll "do your colors" — which means you sit quietly by while a color analyst holds swatches of fabric up to your face and selects the 100 or so that are most becoming. "We're serving mankind in a way it's never been served before," says Joan. We wouldn't argue that, but what about that unhappiness, dissatisfaction and frustration?



Coronado Club Activities

Happy New Year

ON NEW YEAR'S EVE, the Coronado Club is where it's happening. Upstairs in the main ballroom a group called Together will be raising the roof while downstairs in the El Dorado Room, Martha Kay and the Trio will reverberate the walls. Hats, noisemakers, confetti, a bottle of champagne and breakfast is included. There might be a couple of tickets left. Call the Club office — 265-6791 — right now.

HAPPY HOUR BUFFETS start again in 1979 on Jan. 5 with prime rib the menu feature and Smoothie booked for the bandstand. On Friday, Jan. 12, Natural Persuasion is on stage, a choice of lobster tail or New York strip steak on the buffet. Call the Club by mid-week to reserve buffet tickets.

SINGLES start the New Year right with a party in the El Dorado Room starting at 4:30, Jan. 5. This is your standard singles party with a lot of munchables, music, dancing and a bag of door prizes. On Friday, Jan. 19, the singles mingle again with a repeat of all this good stuff plus live music. Heard at a singles party: "I'll always be grateful to my first wife. She drove me to drink."

DUES GO UP in January, but each member will receive a \$2.50 discount ticket mailed with the Club calendar which is good for any Friday buffet or the biggie Saturday event

VARIETY NIGHT Saturday, Jan. 6, features a Walt Disney movie called "Follow Me, Boys." Stars are Fred MacMurray and Vera Miles. Super sandwiches are available at 6; the show starts at 7. Admission is free to members and families.

SANADO WOMEN meet for lunch Tuesday, Jan. 9. Speaker will be Jules Grad, former war correspondent. For reservations call Nancy Dodd, 296-1158, by Jan. 3.

RETIRES party Friday, Jan. 12, starting at 4:30 in the Eldorado Room. There will be a goodie tray, entertainment and a Happy Hour bar.

CORONADO SKI CLUB meets Tuesday, Jan. 16, for a social hour and a program of ski instruction by Tom Long, Sandia Peak ski school director.

A NEW CLASS for beginning square dancers starts Monday, Jan. 19, at 7 p.m. Instructor is Cal Campbell, caller for the Coronado Grand Squares. C'mon out for the first couple of classes and see if you like it before you enroll. The 20 week course costs \$40 per couple.

CORONADO WOLFPACK flies to San Diego and Las Vegas Jan. 25-28 to see the Lobo games. The works costs \$268 (dbl) or \$307 (single). There might be a couple seats left. Call Pro Padilla, 4-3462, right now.